



Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. <b>240523US20</b>		SERIAL NO. <b>10/650,791</b>	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT <b>Roy L AX</b>			
				FILING DATE <b>August 29, 2003</b>		GROUP <del>1602</del> <b>1641</b>	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
JLG	AA	6,245,577	06/12/01	McVicker, et al.			
JLG	AB	2002/0048745	04/25/02	Zhang, et al.			
JLG	AC	2001/0008764	07/19/01	Ax, et al.			
JLG	AD	5,434,139	07/18/95	Ax, et al.			
	AE						
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO						
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	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
JLG	AW	R.W. LENZ, et al., "PROTEOGLYCAN FROM BOVINE FOLLICULAR FLUID ENHANCES AN ACROSOME REACTION IN BOVINE SPERMATOZOA", Biochemical and Biophysical Research Communications, Vol. 106, No. 4, June 30, 1982, pp. 1098-1098					
JLG	AX	P. MANJUNATH, et al., "PURIFICATION AND BIOCHEMICAL CHARACTERIZATION OF THREE MAJOR ACIDIC PROTEINS (BSP-A <sub>1</sub> , BSP-A <sub>2</sub> and BSP-A <sub>3</sub> ) FROM BOVINE SEMINAL PLASMA", Biochem. J., Vol. 241, 1987, pp. 685-692					
JLG	AY	T.C. MCCAULEY, et al., "PURIFICATION AND CHARACTERIZATION OF FERTILITY-ASSOCIATED ANTIGEN (FAA) IN BOVINE SEMINAL FLUID", Molecular Reproduction and Development, 54, pp. 145-153, 1999					
JLG	AZ	T.C. MCCAULEY, et al., "IDENTIFICATION OF A HEPARIN-BINDING PROTEIN IN BOVINE SEMINAL FLUID AS TISSUE INHIBITOR OF METALLOPROTEINASES-2", Molecular Reproduction and Development, 58, pp. 336-341, 2001				<input checked="" type="checkbox"/> Additional References sheet(s) attached	
Examiner <u>/James L. Grun/</u>					Date Considered <b>09/19/2006</b>		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



Form PTO 1449 (Modified)		DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 240523US20	SERIAL NO. 10/650,791
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Roy L AX	
				FILING DATE August 29, 2003	GROUP 1641 <del>4632</del>
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JLG	AAA	D.J. MILLER, et al., "HEPARIN-BINDING PROTEINS FROM SEMINAL PLASMA BIND TO BOVINE SPERMATOZOA AND MODULATE CAPACITATION BY HEPARIN", Biology of Reproduction, 42, pp. 899-915, 1990			
	AAB	L.R. SPROTT, et al., "ARTIFICIAL INSEMINATION OUTCOMES IN BEEF FEMALES USING BOVINE SPERM WITH A DETECTABLE FERTILITY-ASSOCIATED ANTIGEN", J. Anim. Sci., 78, 2000, pp. 795-798			
	AAC	A.M. RODRIGUEZ, et al., "IDENTIFICATION, LOCALIZATION, AND EXPRESSION OF TWO NOVEL HUMAN GENES SIMILAR TO DEOXYRIBONUCLEASE I", Genomics, 42, pp. 507-513, 1997			
	AAD	I. THERIEN, et al., "EFFECT OF SEMINAL PHOSPHOLIPID-BINDING PROTEINS AND FOLLICULAR FLUID ON BOVINE SPERM CAPACITATION", Biology of Research, 65, pp. 41-51, 2001			
	AAE	M.E. BELLIN, et al., "FERTILITY OF RANGE BEEF BULLS GROUPED ACCORDING TO PRESENCE OR ABSENCE OF HEPARIN-BINDING PROTEINS IN SPERM MEMBRANES AND SEMINAL FLUIDS", J. Anim. Sci., 72, 1994, pp. 2441-2448			
	AAF	R.W. LENZ, et al., "PREDICTING FERTILITY OF DAIRY BULLS BY INDUCING ACROSOME REACTIONS IN SPERM WITH CHONDROITIN SULFATES", J. Dairy Sci., 71, 1988, pp. 1073-1077			
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	AAH	M.T. O'CONNOR, et al., "COMPARISONS OF COMPUTER EVALUATIONS OF SPERMATOZOAL MOTILITY WITH STANDARD LABORATORY TESTS AND THEIR USE FOR PREDICTING FERTILITY", Journal of Animal Science, Vol. 53, No. 5, 1981, pp. 1368-1376			
	AAI	R.G. SAACKE, "SEMEN QUALITY IN RELATION TO SEMEN PRESERVATION", J. Dairy Sci., 66, 1983, pp. 2635-2644			
	AAJ	Proceedings of the Fourth Technical Conference on Artificial Insemination and Reproduction Sponsored by the National Association of Animal Breeders, February 17-19, 1972			
	AAK	P.M. SALING, "MAMMALIAN SPERM INTERACTION WITH EXTRACELLULAR MATRICES OF THE EGG", Oxford Reviews of Reproductive Biology, Vol. 11, 1989, pp.340-388			
	AAL	P.J. CHENOWETH, et al., "A NEW BULL BREEDING SOUNDNESS EVALUATION FORM", Society for Theriogenology, Proceedings for Annual Meeting, August 14-15, 1992, pp. 63-70			
	AAM	C.H. WHITFIELD, et al., "RELATIONSHIP BETWEEN FERTILITY OF BOVINE SEMEN AND IN VITRO INDUCTION OF ACROSOME REACTIONS BY HEPARIN", Theriogenology, 38, pp. 11-20, 1992			
	AAN	M.E. BELLIN, et al., "MONOCLONAL ANTIBODY DETECTION OF HEPARIN-BINDING PROTEINS ON SPERM CORRESPONDS TO INCREASED FERTILITY OF BULLS", J. Anim. Sci., 74, 1996, pp. 173-182			
	AAO	M.E. BELLIN, et al., "FERTILITY-ASSOCIATED ANTIGEN ON BULL SPERM INDICATES FERTILITY POTENTIAL", J. Anim. Sci., 76, 1998, pp. 2032-2039			
	AAP	J.J. CALVETE, et al., "THE PRIMARY STRUCTURE OF BSP-30K, A MAJOR LIPID-, GELATIN-, AND HEPARIN-BINDING GLYCOPROTEIN OF BOVINE SEMINAL PLASMA", FEBS Letters, 399, 1996, pp. 147-152			
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Examiner		/James L. Grun/		Date Considered 09/19/2006	
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				FILING DATE  August 29, 2003		GROUP 1641 <del>1692</del>	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
JLG	AAR	B.K. DAVIS, "INHIBITORY EFFECT OF SYNTHETIC PHOSPHOLIPID VESICLES CONTAINING CHOLESTEROL ON THE FERTILIZING ABILITY OF RABBIT SPERMATOZOA", <i>Proceedings of the Society for Experimental Biology and Medicine</i> , 152, 1976, pp. 257-261					
	AAS	H.M. FLORMAN, et al., "REGULATION OF ACROSOMAL EXOCYTOSIS", <i>Developmental Biology</i> , 128, 1988, pp. 464-473					
	AAT	R.L. GERENA, et al., "IDENTIFICATION OF A FERTILITY-ASSOCIATED PROTEIN IN BULL SEMINAL PLASMA AS LIPOCALIN-TYPE PROSTAGLANDIN D SYNTHASE", <i>Biology of Reproduction</i> , 58, 1998, pp. 826-833					
	AAU	J.K. GRAHAM, et al., "ANALYSIS OF SPERM CELL VIABILITY, ACROSOMAL INTEGRITY, AND MITOCHONDRIAL FUNCTION USING FLOW CYTOMETRY", <i>Biology of Reproduction</i> , 43, 1990, pp. 55-64					
JLG	AAV	G.J. KILLIAN, et al., "FERTILITY-ASSOCIATED PROTEINS IN HOLSTEIN BULL SEMINAL PLASMA", <i>Biology of Reproduction</i> , 49, 1993, pp. 1202-1207					
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